

SPECIFICATIONS CHART

Integrated compact base

Requires very little real estate, enabling easy deployment in even the most space constrained cash wraps

| PHYSICAL CHARACTERISTIC | | PERFORMANCE CHARACTERISTICS | |
|-------------------------------------|--|--|---|
| Dimensions | 8.5 in. (max) H x 3.5 in. W x 6 in. D 21.6 cm (max) H x 8.9 cm W x 15.2 cm D | <i>DS9808-SR, DS9808-LR, DS9808-DL** and DS9808-LL** Imager Mode</i> | |
| Weight | 16.4 oz/465 g | Light Source | Aiming Pattern: 650nm laser diode Illumination: 630nm LED |
| Voltage and Current | Nominal: 5V ±5% VDC @ 1.2 A | Imager Field of View | 39° H x 25° V |
| Data Capture Options | 1D/2D bar codes and RFID tags | Roll/Pitch/Yaw | 360°, ±65°, ±60° |
| Color | Twilight Black | Swipe Speed | Programmable up to 100 in./254 cm per second (Horizontal Read Rate) |
| SYMBOLOLOGY DECODE CAPABILITY | | Frame Rate | Up to 60 frames per second |
| 1D | UPC/EAN, Code 11, Code 39, Code 128, Code 93, Codabar/NW7, MSI Plessey, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 (Italian Pharma), PDF417, Micro PDF417, Composite Codes, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Postal Codes Refer to Product Reference Guide for complete list of symbologies. | <i>DS9808-LR and DS9808-LL** Laser Scanner Mode</i> | |
| PDF417 (and variants) : | PDF417 (Standard, Macro), MicroPDF417 (Standard, Macro), Composite Codes (CC-A, CC-B, CC-C) | Light Source | 650nm LED |
| 2D | TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro) | Scan Angle | 40° ±3° nominal |
| Postal | U.S. Postnet and Planet, U.K. Post, Japan Post, Australian Post, Netherlands KIX Code, Royal Mail 4 State Customer, UPU FICS 4 State Postal, USPS 4CB, Canadian Post (Postbar) | ** Available in the US only. | |
| Nominal Working Range (Handheld): | See chart on back | RFID | |
| Nominal Working Range (Hands-free): | See chart on back | Frequency | 902 - 928 MHz: U.S., Canada, Mexico, Columbia, El Salvador, Guatemala |
| Minimum Resolution | Code 39 – 4 mil, UPC – 7.8 mil (60%) , PDF417 – 5 mil, Datamatrix – 5 mil | | 865.6 - 867.6 MHz: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, United Kingdom, |
| IMAGING CHARACTERISTICS | | | 902 - 907.5 MHz / 915 - 928 MHz: Brazil |
| Graphics Format Support | Images can be exported as Bitmap, JPEG or TIFF | | 865 - 868 MHz / 920 - 925 MHz: Hong Kong, Singapore |
| | | Tag Type | EPCglobal Class 1 Gen 2 (ISO 18000-6C) |
| | | Read Range/RF Power | Adjustable from near contact up to 40 |

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| Image Transfer Speed | USB 2.0: Up to 12 Megabits/second RS-232: Up to 115 kb/second | inches/1 m depending on tag sensitivity and orientation |
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| Image Transfer Time | Typical USB application is ~0.2 seconds with a compressed JPEG of 100kb |
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| Image Quality | 120 DPI on a 4 x 6 in./10.2 x 15.2 cm document @ 6.5 in./16.5 cm |
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INTERFACES

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| Interfaces Supported | USB, RS-232, RS-485* (Port 9B, Port 5B) (*Tag "write" commands are not supported via RS-485) |
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WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the DS9808 is warranted against defects in workmanship and materials for a period of 3 years from the date of shipment. For the complete Zebra hardware product warranty statement, go to: <http://www.zebra.com/warranty>

PRODUCT AVAILABILITY

Currently available in Austria, Belgium, Brazil, Bulgaria, Canada, Colombia, Cyprus, Czech Republic, Denmark, El Salvador, Estonia, Finland, France, Germany, Greece, Guatemala, Hong Kong, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Mexico, Netherlands, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, United Kingdom, United States. Other countries are pending. Please contact your local Zebra representative for availability in your region.

NOMINAL WORKING RANGE (HANDS-FREE):

DS9808-SR, DS9808-LR, DS9808-DL** and DS9808-LL**

| | |
|-------------------------|---------------------------|
| Code 39 – 5 mil: | 0 – 4.5 in. (0 – 11.4 cm) |
|-------------------------|---------------------------|

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|--------------------------------|---------------------------|
| UPC/EAN – 10 mil (80%): | 0 – 7.0 in. (0 – 17.8 cm) |
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|---------------------------------|---------------------------|
| UPC/EAN – 13 mil (100%): | 0 – 8.0 in. (0 – 20.3 cm) |
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|--------------------------|---------------------------|
| PDF417 – 6.6 mil: | 0 – 4.5 in. (0 – 11.4 cm) |
|--------------------------|---------------------------|

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|-----------------------------|---------------------------|
| Datamatrix – 10 mil: | 0 – 4.5 in. (0 – 11.4 cm) |
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** Available in the US only.

USER ENVIRONMENT

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| Operating Temp. | 32° to 104° F / 0° to 40° C |
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| Humidity | 5% to 95% RH (Non-Condensing) |
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| Drop Specification | Withstands multiple 4 ft./1.2 m drops to concrete |
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| Ambient Light Immunity | Incandescent – 150 ft. candles (1,600 Lux) Sunlight – 8,000 ft. candles (86,000 Lux) Fluorescent – 150 ft. candles (1,600 Lux) Mercury Vapor – 150 ft. candles (1,600 Lux) Sodium Vapor – 150 ft. candles (1,600 Lux) Immune to normal or artificial light |
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REGULATORY

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| Electrical Safety | UL60950-1; CSA C22.2 No. 60950-1; IEC60950-1 |
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| Laser Safety | IEC 60825-1; 21CFR1040.10; CDRH Class II; IEC Class 2 |
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| EMI/RFI | FCC Part 15 Class B; Canada RSS-210; ICES-003 Class B |
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| RF Exposure | FCC 47CFR Part 2, OET Bulletin 65 Supplement C |
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| Environmental | Compliant with RoHS directive 2002/95/EEC |
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| Regulatory Model Numbers | DS9808-RUS – US Version DS9808-RWW – Worldwide (Non-US) version |
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RECOMMENDED SERVICES

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| Customer Services | Service from the Start Advance Exchange Support |
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NOMINAL WORKING RANGE (HANDHELD):

DS9808-LR and DS9808-LL**

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|-------------------------|---------------------------|
| Code 39 – 5 mil: | 0 – 5.0 in. (0 – 12.7 cm) |
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| UPC/EAN – 10 mil (80%): | 0 – 13.5 in. (0 – 34.3 cm) |
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| UPC/EAN – 13 mil (100%): | 0 – 18 in. (0 – 45.7 cm) |
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DS9808-SR and DS9808-DL**

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|-------------------------|---------------------------|
| Code 39 – 5 mil: | 0 – 4.5 in. (0 – 11.4 cm) |
|-------------------------|---------------------------|

UPC/EAN – 10 mil (0 – 8.5 in. (0 – 21.6 cm)
80%):

UPC/EAN – 13 mil (0 – 10.5 in. (0 – 26.7 cm)
100%):

DS9808-SR, DS9808-LR, DS9808-DL** and DS9808-DL**

PDF417 – 6.6 mil: 0 – 5.0 in. (0 – 12.7 cm)

Datamatrix – 10 mil: 0 – 6.0 in. (0 – 15.2 cm)

** Available in the US only.